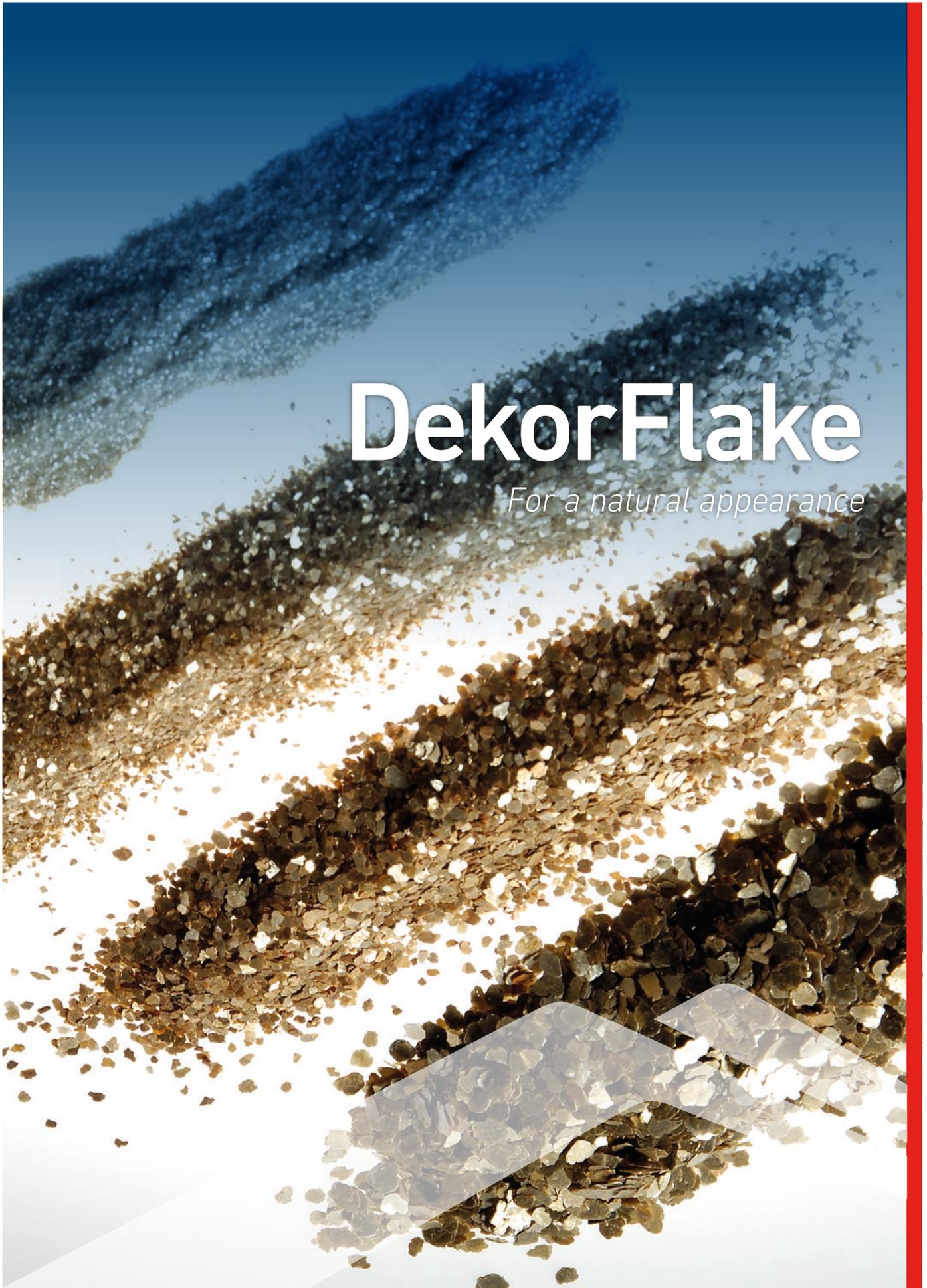


# DekorFlake

*For a natural appearance*



# DekorFlake

## Natural mineral glitter

LKAB Minerals' range of natural mica flakes provide sparkle and glitter to a variety of end use applications.

DekorFlake is manufactured from sustainable raw material which is processed to bring out the natural colour of either gold, silver, bronze or black.

### Applications

The range of natural aesthetic effects achievable with DekorFlake from the colours and variety of particle sizes is vast.

#### Ceramics

DekorFlake is used in low and high temperature ceramic processes, from third firing to glaze application on ceramic tiles, to achieve distinctive natural patterns and effects. DekorFlake is very colour stable with the added advantage of the mineral resisting temperatures up to 900°C.

#### Solid surfaces

DekorFlake can be incorporated into polyester or acrylic resins used to make solid surfacing providing sparkle or natural stone effects. The addition levels will vary depending on the effect desired; the stability and resistance of DekorFlake are beneficial for this application.

#### Flooring

DekorFlake can be used in a variety of flooring types providing sparkle which does not weather or wear. DekorFlake can be used in a variety of resin and vinyl floorings imparting stone look, light or heavy glitter effects and will give light reflectance. Within concrete flooring DekorFlake meets the adherence and friction resistance required .

#### Coatings

In polished plaster, stucco, facades, finishing plasters and wall renders DekorFlake gives a granite or stone appearance or with lower loading levels a glimmer effect is imparted. DekorFlake can also be used in wallpaper designs to achieve natural glimmer.

#### Polymers

Being chemically inert DekorFlake finds use in a variety of polymer types including PP, PS, ABS, PVC, PE and PA. DekorFlake disperses well in the polymer matrix giving a consistent appearance. The variety and quality of finishes achievable with DekorFlake ensures its use in packaging, toys, containers and consumer items.



#### Flooring with a natural sparkle

DekorFlake can be used to give a beautiful finish to flooring providing natural sparkle and light reflectance

### Quartz surfaces

The high pressure production process used to manufacture these surfaces will not impact on the final appearance of DekorFlake. The natural appearance of the particles in quartz surfacing gives excellent visual appeal.

### Standard grades

Gold	D <sub>50</sub>
1500	1200 µm
650	800 µm
325	350 µm
175	150 µm
Silver	D <sub>50</sub>
1500	1000 µm
650	630 µm
325	300 µm
175	180 µm
Bronze	D <sub>50</sub>
650	650 µm
325	250 µm
175	200 µm
Black	D <sub>50</sub>
325	325 µm

### Packaging

DekorFlake is packaged in boxes with weights as follows: Gold 15kg, Silver, Bronze and Black 25kg and Silver 175 20kg.

### Special properties

- A natural metallic appearance
- Controlled colour consistency and particle sizes
- UV stability and weathering resistance
- Solvent, acid and alkali resistance
- Tough and flexible plate shaped particles
- High thermal stability (up to 900°C)



**Golden tile glazes**  
An example of DekorFlake Gold in a tile glaze on a white ceramic tile



**Sparkling polymers**  
A wide variety of colours, effects, finishes and sparkliness can be achieved when DekorFlake is used in polymers

LKAB Minerals is an international industrial minerals group with a leading position in a number of product applications. We develop sustainable mineral solutions in partnership with our customers, supplying natural minerals engineered for functionality and usability. LKAB Minerals is part of the Swedish company LKAB, one of the world's leading producers of highly upgraded iron ore products and other related mining services and products.

### **Value driven**

We are proud and passionate about what we do – this is reflected in our values Committed, Innovative and Responsible.

### **Our promise**

In line with our vision, we promise to deliver Mineral Solutions for Our World. 'Mineral Solutions' meaning we together with you identify or develop the right service and product for your application and operations.

For 'Our World' our focus will be on selected applications where we have developed extensive expertise and where we can use our mineral technology and processing skills to generate more customer value. 'Our World' also meaning that we accept responsibility for the environment and our surrounding societies and that we therefore operate with a clear sustainability focus.

